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Zur Erklärung der Zweibuchstaben-Codes und der anderen Ab-  
kürzungen wird auf die Erklärungen ("Guidance Notes on Co-  
des and Abbreviations") am Anfang jeder regulären Ausgabe der  
PCT-Gazette verwiesen.

(54) Title: PHOSPHONIC ACID-MODIFIED MICROGEL DISPERSION

(54) Bezeichnung: PHOSPHONSÄUREMODIFIZIERTE MIKROGELDISPERSION

(57) Abstract: The invention relates to an emulsifier-free microgel, which is dispersed in the aqueous phase and which can be obtained by producing a polyacrylate (A) in the presence of at least one compound (B) containing a phosphonic acid group. The polyacrylate (A) comprises at least one hydroxyl group and at least one carboxyl group. The reaction mixture originating from step a) is cross-linked in the aqueous phase with an aminoplast resin (C). Afterwards, the reaction mixture originating from step b) is emulsion polymerized with at least one monomer compound (D) that contains at least one radically polymerizable double bond.

(57) Zusammenfassung: Emulgatorfreies, in wässriger Phase dispergiertes Mikrogel, erhältlich durch Herstellung eines Polyacrylats (A) in Gegenwart mindestens einer eine Phosphonsäuregruppe aufweisenden Verbindung (B), wobei das Polyacrylat (A) mindestens eine Hydroxylgruppe und mindestens eine Carboxylgruppe aufweist; Vernetzung in wässriger Phase der aus Schritt a) stammenden Reaktionsmischung mit einem Aminoplastharz (C); anschließende Emulsionspolymerisation der aus Schritt b) stammenden Reaktionsmischung mit mindestens einer Monomerverbindung (D), die mindestens eine radikalisch polymerisierbare Doppelbindung enthält.

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# INTERNATIONAL SEARCH REPORT

Intern. Application No  
PCT/DE 03/03419

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08F275/00 C08F285/00 C08F265/04 C09D151/00 C08F220/18  
B01J13/00 C09D133/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F C09D C08L C09J B01J C08J G03C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 96/24619 A (BOLLIG & KEMPER ; HILLE HANS DIETER (DE); NEIS STEPHAN (DE); MUELLER H) 15 August 1996 (1996-08-15) * Zusammenfassung ; Seite 2, Zeilen 15-34 *claims 1-18	1-20
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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